CAM CELLS AND DIFFERENTIAL SENSE CIRCUITS FOR CONTENT ADDRESSABLE MEMORY (CAM)

ABSTRACT OF THE DISCLOSURE

[213]   A Ternary content addressable memory (TCAM) device contain an array differential TCAM cells and a column dummy differential TCAM to enable or disable each corresponding row TCAM cells to compare or not to compare with the input data.
A method of sensing the logic state of match or mismatch through comparing the voltage difference of match line and dummy line are presented .